



**Microsoft**

**Exam Questions DP-900**

Microsoft Azure Data Fundamentals

**NEW QUESTION 1**

Select the answer that correctly completes the sentence.

Select the answer that correctly completes the sentence.

**Answer Area**

Microsoft Power BI Desktop

Microsoft Power BI Desktop

The Microsoft Power BI service

The Microsoft Power BI phone app

provides a full range of Power BI data modeling and report editing features.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Text, letter Description automatically generated

**NEW QUESTION 2**

What should you use to build a Microsoft Power BI paginated report?

- A. Power BI report Builder
- B. Power BI Desktop
- C. Charticator
- D. the Power BI service

**Answer:** A

**Explanation:**

Power BI Report Builder is the standalone tool for authoring paginated reports for the Power BI service. <https://docs.microsoft.com/en-us/power-bi/paginated-reports/paginated-reports-quickstart-aw>

**NEW QUESTION 3**

A bar chart showing year-to date sales by region is an example of which type of analytics?

- A. descriptive
- B. diagnostic
- C. predictive
- D. prescriptive

**Answer:** B

**NEW QUESTION 4**

Select the answer that correctly completes the sentence.

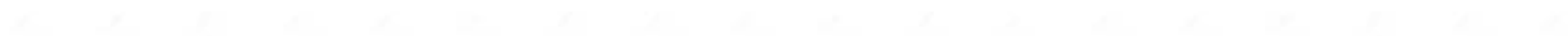
- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Answer Area

In batch processing, delay in delivering data processing results is acceptable.

**NEW QUESTION 5**

Select the answer that correctly completes the sentence.

### Answer Area

Backing up and restoring data are the responsibilities of a

data engineer. ▼

data analyst.

data engineer.

data scientist.

database administrator.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

### Answer Area

Backing up and restoring data are the responsibilities of a

data engineer. ▼

data analyst.

data engineer.

data scientist.

database administrator.

### NEW QUESTION 6

You have an Azure Cosmos DB account that uses the Core (SQL) API.

Which two settings can you configure at the container level? Each correct answer presents a complete solution. (Choose two.)

NOTE: Each correct selection is worth one point.

- A. the throughput
- B. the read region
- C. the partition key
- D. the API

**Answer:** AC

### NEW QUESTION 7

Your company is designing a data store that will contain student data. The data has the following format.

StudentNumber	StudentInformation
7634634	First name: Ben Last: Smith Preferred Name: Benjamin
7634634	First Name: Dominik Last Name: Paiha Email Address: dpaiha@contoso.com MCP ID: 931817
7634636	First Name: Reshma Last Name: Patel Phone number: 514-555-1101
7634637	First Name: Yun-Feng Last Name: Peng

Which type of data store should you use?

- A. graph
- B. key/value
- C. object
- D. columnar

**Answer:** D

### NEW QUESTION 8

To complete the sentence, select the appropriate option in the answer area.

#### Answer Area

A visualization that shows a university's current student enrollment versus the maximum capacity is an example of



- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

Generally speaking, data analytics comes in four types (Figure 1): Descriptive, to answer the question: What's happening? Diagnostic, to answer the question: Why's happening? Predictive, to answer the question: What will happen? Prescriptive, to answer the question: What actions should we take?

#### NEW QUESTION 9

Which three actions are used when performing diagnostic analytics?

- A. • Identify data anomalies• Collect anomaly-related data• Discover relationships and trends that explain anomalies.
- B. • Identify data anomalies• Predict when anomalies are likely to recur• Use analytical tools such as decision trees and regression.
- C. • Apply self-learning loops to draw inferences from anomalies.• Predict when anomalies are likely to recur• Use analytical tools such as decision trees and regression.
- D. • Identify data anomalies• Use machine learning to find patterns in large datasets.• Discover relationships and trends that explain anomalies.

**Answer:** A

#### NEW QUESTION 10

Which statement is an example of Data Manipulation Language (DML)?

- A. INSERT
- B. DISABLE
- C. ALTER
- D. DROP

**Answer:** A

#### Explanation:

Data Manipulation Language (DML) statements:

- > DELETE
- > INSERT
- > UPDATE

#### NEW QUESTION 10

Which type of database contains nodes and edges?

- A. graph
- B. columnar
- C. key/value
- D. time series

**Answer:** A

#### NEW QUESTION 14

You need to store event log data that is semi-structured and received as the logs occur. What should you use?

- A. Azure Table storage
- B. Azure Queue storage
- C. Azure Files

**Answer:** B

#### NEW QUESTION 17

Match the types of analytics that can be used to answer the business questions.

To answer, drag the appropriate analytics type from the column on the left to its question on the right. Each analytics type may be used once, more than once, or not at all.

NOTE: Each correct match is worth one point.

Analytics Types	Answer Area	
Cognitive	Why did sales increase last month?	
Diagnostic	Provide specific guidance on how to allocate current budget to buy different inventory items.	
Descriptive		
Predictive	Detect images of the company's logo included in PDF documents	
Prescriptive		

- A. Mastered  
B. Not Mastered

Answer: A

Explanation:

Box 1: Diagnostic

Diagnostic Analytics: At this stage you can begin to answer some of those why questions. Historical data can begin to be measured against other data to answer the question of why something happened in the past. This is the process of gathering and interpreting different data sets to identify anomalies, detect patterns, and determine relationships.

Box 2: Prescriptive

Prescriptive analytics is a combination of data, mathematical models, and various business rules to infer actions to influence future desired outcomes.

Box 3: Cognitive

NEW QUESTION 18

To complete the sentence, select the appropriate option in the answer area.

In a data warehousing workload, data

from a single source is distributed to multiple locations

from multiple sources is combined in a single location

is added to a queue for multiple systems to process

is used to train machine learning models

- A. Mastered  
B. Not Mastered

Answer: A

Explanation:

Note: The data warehouse workload encompasses:

- > The entire process of loading data into the warehouse
- > Performing data warehouse analysis and reporting
- > Managing data in the data warehouse
- > Exporting data from the data warehouse

NEW QUESTION 21

Select the answer that correctly completes the sentence.

- A. Mastered  
B. Not Mastered

Answer: A

Explanation:

Answer Area

In an infrastructure as a service (IaaS) instance of Microsoft SQL Server on Azure, you manage the virtual machine that hosts SQL Server.



NEW QUESTION 25

For each of the following statements, select Yes if the statement is true. Otherwise, select No.  
NOTE: Each correct selection is worth one point.

Statements	Yes	No
Platform as a service (PaaS) database offerings in Azure require less setup and configuration effort than infrastructure as a service (IaaS) database offerings.	<input type="radio"/>	<input type="radio"/>
Platform as a service (PaaS) database offerings in Azure provide administrators with the ability to control and update the operating system version.	<input type="radio"/>	<input type="radio"/>
All platform as a service (PaaS) database offerings in Azure can be paused to reduce costs.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

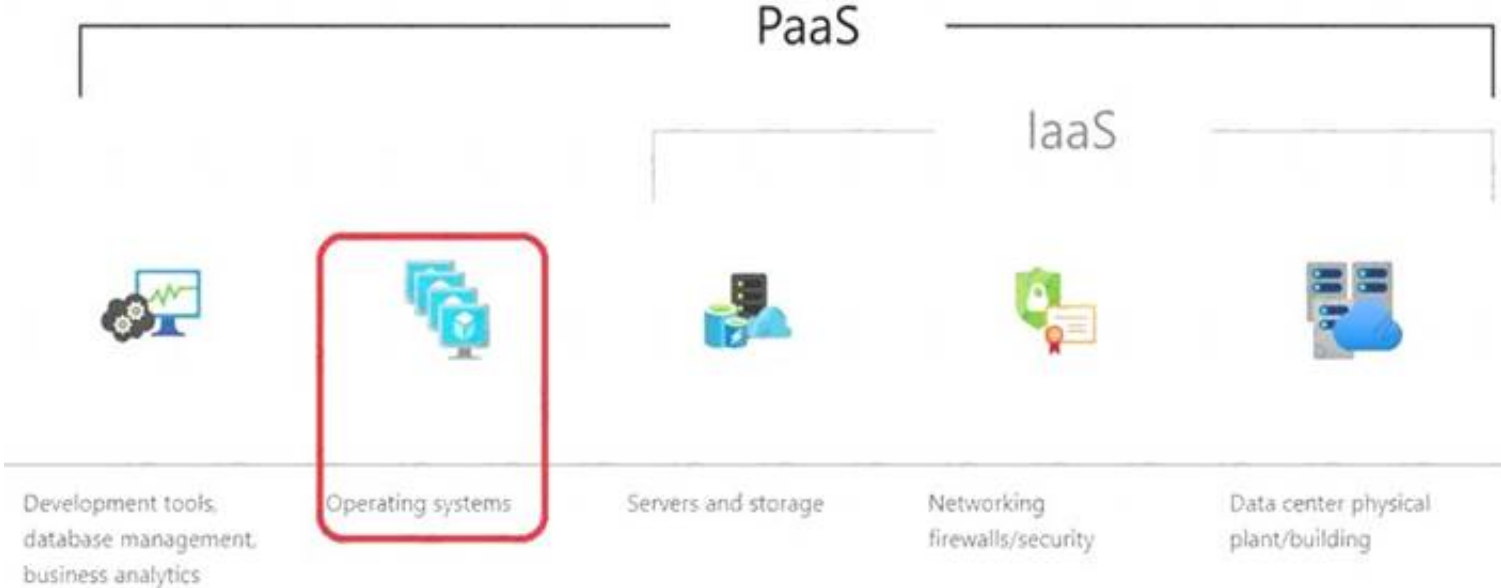
Explanation:

Box 1: Yes

Like IaaS, PaaS includes infrastructure – servers, storage, and networking – but also middleware, development tools, business intelligence (BI) services, database management systems, and more. PaaS is designed to support the complete web application lifecycle: building, testing, deploying, managing, and updating. PaaS allows you to avoid the expense and complexity of buying and managing software licenses, the underlying application infrastructure and middleware, container orchestrators such as Kubernetes, or the development tools and other resources

Box 2: Yes

You manage the applications and services you develop, and the cloud service provider typically manages everything else.



Box 3: No

There really is no way to pause / stop billing for your Azure SQL Database.

Microsoft's official answer "Yes, you can export your database. Delete the Azure SQL database and that will pause billing. Then when you need it you can create a new database and import your previously exported DB."

NEW QUESTION 28

Select the answer that correctly completes the sentence.

Answer Area

A relational database is appropriate for scenarios that involve a high volume of

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

A relational database is appropriate for scenarios that involve a high volume of

NEW QUESTION 30

For each of the following statements, select Yes if the statement is true. Otherwise, select No. NOTE Each correct selection is worth one point.

Answer Area	
Statements	
Platform as a service (PaaS) database offerings in Azure require less setup and configuration effort than infrastructure as a service (IaaS) database offerings.	<div><div>Yes</div><div>No</div></div>
Platform as a service (PaaS) database offerings in Azure provide administrators with the ability to control and update the operating system version.	<div><div>Yes</div><div>No</div></div>
All platform as a service (PaaS) database offerings in Azure can be paused to reduce costs.	<div><div>Yes</div><div>No</div></div>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area	
Statements	
Platform as a service (PaaS) database offerings in Azure require less setup and configuration effort than infrastructure as a service (IaaS) database offerings.	<div><div>Yes</div><div>No</div></div>
Platform as a service (PaaS) database offerings in Azure provide administrators with the ability to control and update the operating system version.	<div><div>Yes</div><div>No</div></div>
All platform as a service (PaaS) database offerings in Azure can be paused to reduce costs.	<div><div>Yes</div><div>No</div></div>

NEW QUESTION 35

For each of the following statements, select Yes if the statement is true. Otherwise, select No.  
NOTE: Each correct selection is worth one point.

Statements	Yes	No
The Azure Cosmos DB API is configured separately for each database in an Azure Cosmos DB account.	<div><div></div></div>	<div><div></div></div>
Partition keys are used in Azure Cosmos DB to optimize queries.	<div><div></div></div>	<div><div></div></div>
Items contained in the same Azure Cosmos DB logical partition can have different partition keys.	<div><div></div></div>	<div><div></div></div>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

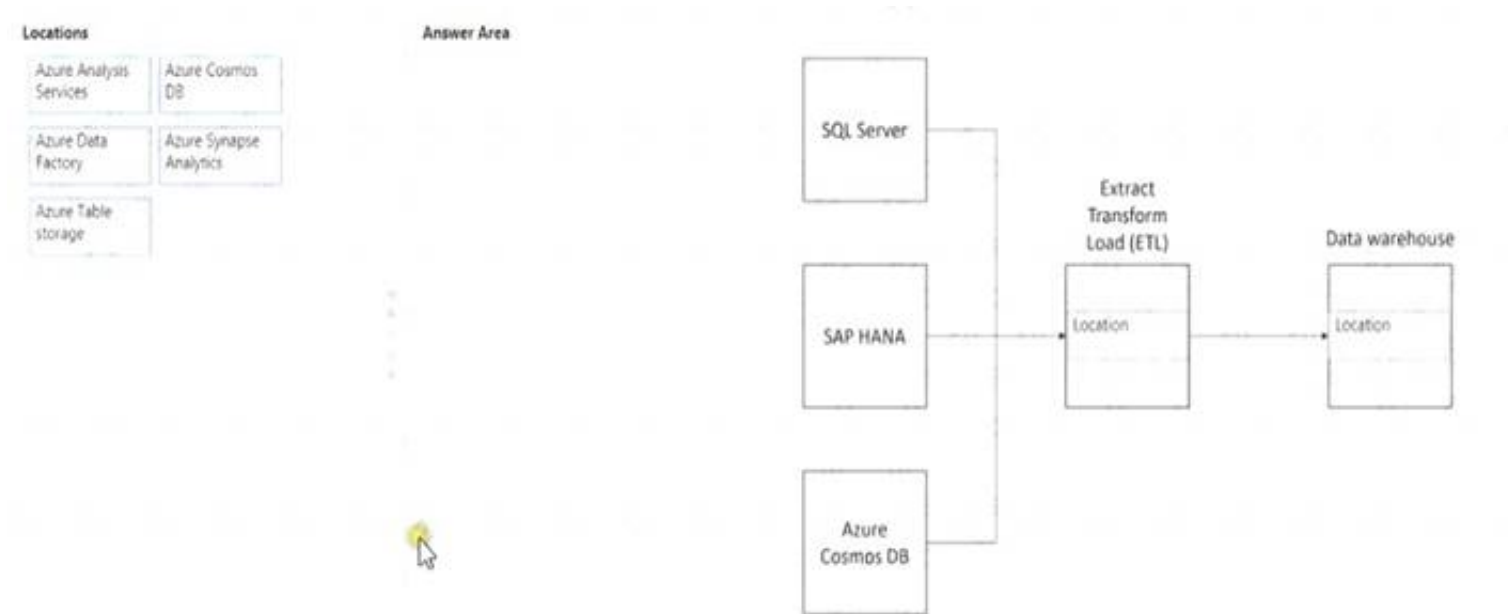
Box 1: No  
The API determines the type of account to create. Azure Cosmos DB provides five APIs: Core (SQL) and MongoDB for document data, Gremlin for graph data, Azure Table, and Cassandra. Currently, you must create a separate account for each API.

Box 2: Yes  
Azure Cosmos DB uses partitioning to scale individual containers in a database to meet the performance needs of your application. In partitioning, the items in a container are divided into distinct subsets called logical partitions. Logical partitions are formed based on the value of a partition key that is associated with each item in a container.

Box 3: No  
Logical partitions are formed based on the value of a partition key that is associated with each item in a container.

NEW QUESTION 40

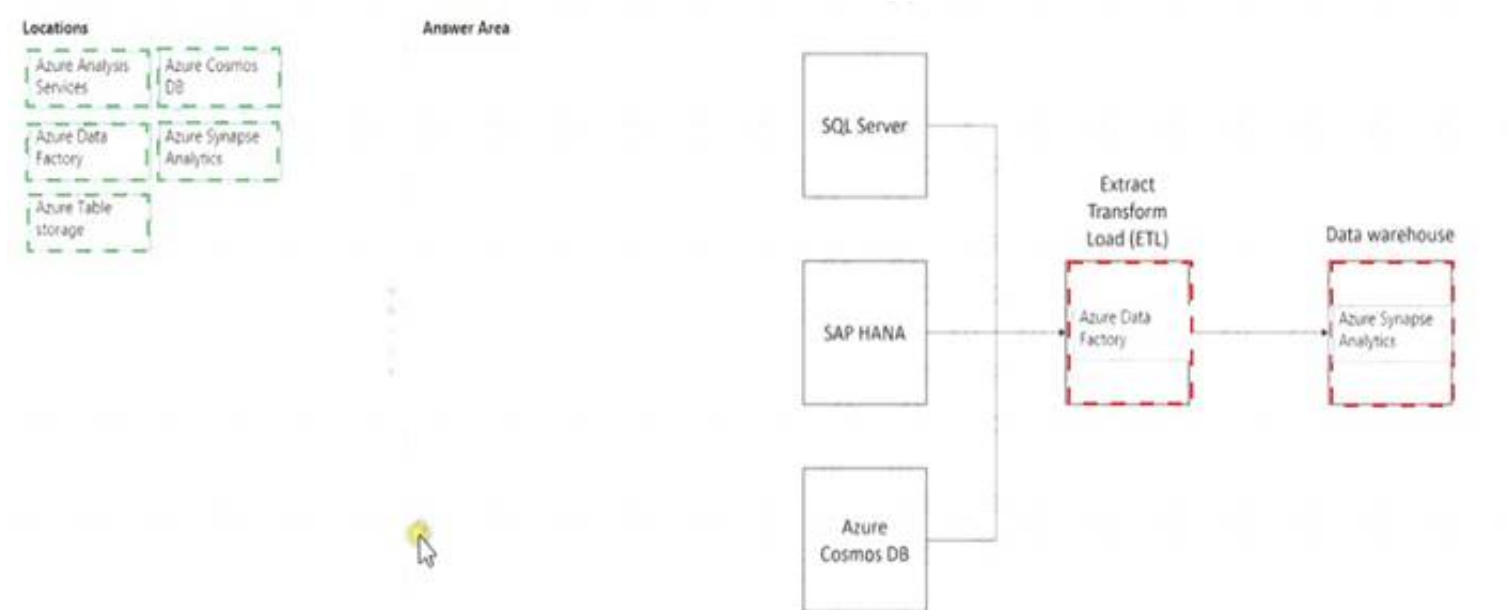
Match the Azure services to the appropriate locations in the architecture.  
To answer, drag the appropriate service from the column on the left to its location on the right. Each service may be used once, more than once, or not at all.  
NOTE: Each correct match is worth one point.



- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**



#### NEW QUESTION 44

Your company needs to ensure that in Azure virtual machine can connect to Azure SQL databases without exposing the databases to the internet. What should you use?

- A. Azure DNS
- B. Azure Application Gateway
- C. Azure Private link
- D. Azure Traffic Manager

**Answer:** C

**Explanation:**

Azure Private Link enables you to access Azure PaaS Services (for example, Azure Storage and SQL Database) and Azure hosted customer-owned/partner services over a private endpoint in your virtual network. Traffic between your virtual network and the service travels the Microsoft backbone network. Exposing your service to the public internet is no longer necessary.

#### NEW QUESTION 47

Which property of a transactional workload guarantees that each transaction is treated as a single unit that either succeeds completely or fails completely?

- A. isolation
- B. durability
- C. consistency
- D. atomicity

**Answer:** D

#### NEW QUESTION 49

Match the Azure Cosmos DB APIs to the appropriate data structures.

To answer, drag the appropriate API from the column on the left to its data structure on the right. Each API may be used once, more than once, or not at all.

NOTE: Each correct match is worth one point.



## APIs

- Cassandra API
- Gremlin API
- MongoDB API
- Table API

## Answer Area

- ☐ Graph data
- ☐ JSON documents
- ☐ Key/value data

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

## APIs

- Cassandra API
- Gremlin API
- MongoDB API
- Table API

## Answer Area

- ☒ Gremlin API Graph data
- ☒ MongoDB API JSON documents
- ☒ Table API Key/value data

### NEW QUESTION 52

To complete the sentence, select the appropriate option in the answer area.

To configure an Azure Storage account to support both security at the folder level and atomic directory manipulation,

- ☐ enable the hierarchical namespace.
- ☐ set Account kind to BlobStorage.
- ☐ set Performance to Premium.
- ☐ set Replication to Read-access geo-redundant storage (RA-GRS).

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

To configure an Azure Storage account to support both security at the folder level and atomic directory manipulation,

- ☒ enable the hierarchical namespace.
- ☐ set Account kind to BlobStorage.
- ☐ set Performance to Premium.
- ☐ set Replication to Read-access geo-redundant storage (RA-GRS).

### NEW QUESTION 56

Select the answer that correctly completes the sentence.

Answer Area

Microsoft Power BI Desktop

Microsoft Power BI Desktop

The Microsoft Power BI service

The Microsoft Power BI phone app

provides a full range of Power BI data modeling and report editing features.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Microsoft Power BI Desktop

Microsoft Power BI Desktop

The Microsoft Power BI service

The Microsoft Power BI phone app

provides a full range of Power BI data modeling and report editing features.

NEW QUESTION 61

What are three characteristics of an Online Transaction Processing (OLTP) workload? Each correct answer presents a complete solution NOTE: Each correct selection is worth one point.

- A. denormalized data
- B. schema defined in a database
- C. schema defined when reading unstructured data from a database
- D. normalized data
- E. light writes and heavy reads
- F. heavy writes and moderate reads

Answer: ABF

NEW QUESTION 64

Match the tools to the appropriate descriptions.

To answer, drag the appropriate tool from the column on the left to its description on the right. Each tool may be used once, more than once, or not at all.

NOTE: Each correct match is worth one point.

Tools

Azure Data Studio

Microsoft SQL Server Data Tools (SSDT)

Microsoft SQL Server Management Studio (SSMS)

Microsoft Visual Studio Code

Answer Area

Tool

A graphical tool for managing Azure SQL databases and viewing SQL execution plans

Tool

A Microsoft SQL Server extension that supports connections to SQL Server and provides a rich editing experience for T-SQL

Tool

A lightweight editor that can run on-demand SQL queries and view and save results as text, JSON, or Microsoft Excel files

Tool

A development tool for building Azure SQL databases, Microsoft SQL Server relational databases, SQL Server Analysis Services (SSAS) data models, SQL Server Integration Services (SSIS) packages, and SQL Server Reporting Services (SSRS) reports

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Microsoft SQL Server Management Studio (SSMS)	A graphical tool for managing SQL Server or Azure SQL databases that supports access, configuration, management, and administration tasks.
Microsoft Visual Studio Code	A lightweight source code editor with an mssql extension that supports connections to SQL Server and a rich editing experience for T-SQL.
Azure Data Studio	A lightweight editor that can run on-demand SQL queries and view and save results as text, JSON, or Microsoft Excel files.
Microsoft SQL Server Data Tools (SSDT)	A development tool for building Azure SQL databases, Microsoft SQL Server relational databases, SQL Server Analysis Services (SSAS) data models, SQL Server Integration Services (SSIS) packages, and SQL Server Reporting Services (SSRS) reports.

NEW QUESTION 66

For each of the following statements, select Yes if the statement is true. Otherwise, select No.  
NOTE: Each correct selection is worth one point.

Statements	Yes	No
A job that processes sales data once daily is an example of a batch workload.	<input type="radio"/>	<input type="radio"/>
A job that calculates a rolling average temperature reading is an example of a streaming workload.	<input type="radio"/>	<input type="radio"/>
A job that calculates average revenue per product for the last month is an example of a streaming workload.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Yes  
Batch processing refers to processing of high volume of data in batch within a specific time span. It processes large volume of data all at once. Batch processing is used when data size is known and finite. It takes little longer time to processes data.  
Box 2: Yes  
Stream processing refers to processing of continuous stream of data immediately as it is produced. It analyzes streaming data in real time. Stream processing is used when the data size is unknown and infinite and continuous.  
Box 3: No

NEW QUESTION 70

To complete the sentence, select the appropriate option in the answer area.

▼

A heap

A stored procedure

A view

An index

presents content defined by a query.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

A View

NEW QUESTION 75

Your company is designing a database that will contain session data for a website. The data will include notifications, personalization attributes, and products that are added to a shopping cart.  
Which type of data store will provide the lowest latency to retrieve the data?

- A. key/value
- B. graph
- C. columnar



D. document

Answer: C

NEW QUESTION 80

For each of the following statements, select Yes if the statement is true. Otherwise, select No. NOTE: Each correct selection is worth one point.

Answer Area

Statements	Yes	No
Azure Data Studio can be used to query an Azure SQL database from a device that runs macOS.	<input type="radio"/>	<input type="radio"/>
Microsoft SQL Server Management Studio (SSMS) enables users to create and use SQL notebooks.	<input type="radio"/>	<input type="radio"/>
Azure Data Studio can be used to restore a database.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Statements	Yes	No
Azure Data Studio can be used to query an Azure SQL database from a device that runs macOS.	<input type="radio"/>	<input checked="" type="radio"/>
Microsoft SQL Server Management Studio (SSMS) enables users to create and use SQL notebooks.	<input type="radio"/>	<input checked="" type="radio"/>
Azure Data Studio can be used to restore a database.	<input checked="" type="radio"/>	<input type="radio"/>

NEW QUESTION 85

You need to develop a solution to provide data to executives. the solution must provide an interactive graphic interface, depict various key performance indications, and support data exploration by using drill down.  
What should you use in Microsoft Power BI?

- A. a dashboard
- B. Microsoft Power Apps
- C. a dataflow
- D. a report

Answer: D

NEW QUESTION 90

Select the answer that correctly completes the sentence.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Backing up and restoring data are the responsibilities of a  ▼

NEW QUESTION 94

To complete the sentence, select the appropriate option in the answer area.

A clustered index

A FileTable

A foreign key

A stored procedure

is an object associated with a table that sorts and stores the data rows in the table based on their key values.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

A clustered index

A FileTable

A foreign key

A stored procedure

is an object associated with a table that sorts and stores the data rows in the table based on their key values.

NEW QUESTION 96

What Is a benefit of hosting a database on Azure SQL managed instance as compared to an Azure SQL database?

- A. native support for cross-database queries and transactions
- B. built-in high availability
- C. system-Initiated automatic backups
- D. support for encryption at rest

Answer: A

NEW QUESTION 101

Select the answer that correctly completes the sentence.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

In a data warehousing workload, data from multiple sources is combined in a single location.

NEW QUESTION 102

Your company plans to load data from a customer relationship management (CRM) system to a data warehouse by using an extract load, and transform (ELT) process.

Where does data processing occur for each stage of the ELT process? To answer, drag the appropriate locations to the correct. Each location may be used once, or not at all, You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Locations

An in-memory data integration tool

The CRM system

The data warehouse

Answer Area

Extract: Location

Load: Location

Transform: Location

- A. Mastered
- B. Not Mastered

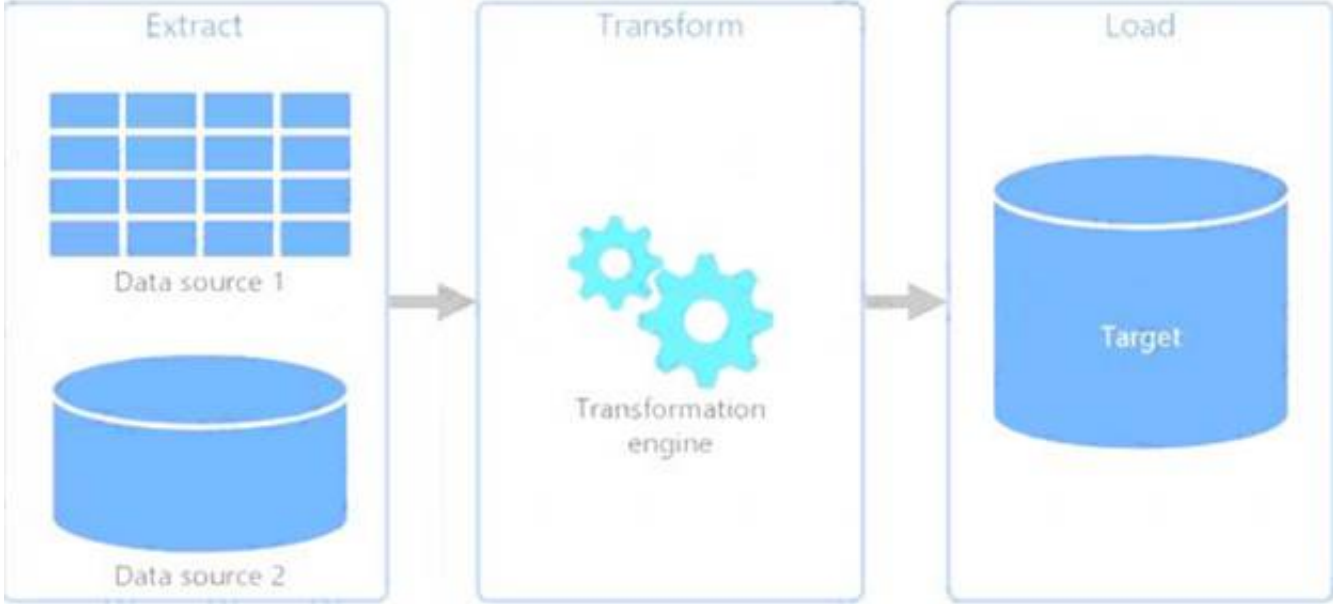
Answer: A

Explanation:

Box 1: The CRM system  
Data is extracted from the CRM system. Box 2: The data warehouse  
Data is loaded to the data warehouse.  
Box 3: An in-memory data integration tool  
The data transformation that takes place usually involves various operations, such as filtering, sorting, aggregating, joining data, cleaning data, deduplicating, and



validating data.



NEW QUESTION 106

For each of the following statements, select Yes if the statement is true. Otherwise, select No.  
NOTE: Each correct selection is worth one point.

Statements	Yes	No
You can copy a dashboard between Microsoft Power BI workspaces.	<input type="radio"/>	<input type="radio"/>
A Microsoft Power BI dashboard can only display visualizations from a single dataset.	<input type="radio"/>	<input type="radio"/>
A Microsoft Power BY dashboard can display visualizations from a Microsoft Excel workbook.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Graphical user interface, text, application Description automatically generated  
Box 1: No  
You can duplicate a dashboard. The duplicate ends up in the same Power BI workspace.  
There is no current functionality that allows you to move reports from one workspace to another.  
Box 2: No  
Box 3: Yes

NEW QUESTION 110

You plan to deploy an app. The app requires a nonrelational data service that will provide latency guarantees of less than 10-ms for reads and writes. What should you include in the solution?

- A. Azure Cosmos
- B. Azure Table storage
- C. Azure Files
- D. Azure Blob storage

Answer: A

NEW QUESTION 113

Select the answer that correctly completes the sentence.

Answer Area

A data engineer

A data analyst

A data engineer

A data scientist

A database administrator

is responsible for creating visuals and charts that help a company make informed decisions.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

A data engineer

A data analyst

A data engineer

A data scientist

A database administrator

is responsible for creating visuals and charts that help a company make informed decisions.

NEW QUESTION 114

Which two activities can be performed entirely by using the Microsoft Power BI service? Each correct answer presents a complete solution. (Choose two.)  
NOTE: Each correct selection is worth one point.

- A. report and dashboard creation
- B. report sharing and distribution
- C. data modeling
- D. data acquisition and preparation

Answer: AD

NEW QUESTION 117

match the Azure data factory components to the appropriate descriptions.  
To answer, drag the appropriate component from the column on the left to its description on the right. Each component may be used once, more than once, or not at all.  
NOTE: Each correct match is worth one point.

Components

Dataset

Linked service

Mapping data flow

Pipeline

Answer Area

Component

A representation of data structures within data stores

Component

The information used to connect to external resources

Component

A logical grouping of activities that performs a unit of work and can be scheduled

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Dataset  
Datasets must be created from paths in Azure datastores or public web URLs, for the data to be accessible by Azure Machine Learning.  
Box 2: Linked service  
Linked services are much like connection strings, which define the connection information needed for Data Factory to connect to external resources.  
Box 3: Pipeline  
A pipeline is a logical grouping of activities that together perform a task.

NEW QUESTION 121

Select the answer that correctly completes the sentence.

Answer Area

can be used as part of a lift-and-shift solution for migrating

an on-premises application to the cloud with minimal changes.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

## Answer Area

An instance of SQL Server on Azure Virtual Machines can be used as part of a lift-and-shift solution for migrating an on-premises application to the cloud with minimal changes.

### NEW QUESTION 125

Which setting can only be configured during the creation of an Azure Cosmos DB account?

- A. geo-redundancy
- B. multi-region writes
- C. production or non-reduction account type
- D. API

**Answer:** D

#### Explanation:

You must create a separate account for each API.

### NEW QUESTION 127

Which statement is an example of Data Definition Language (DDL)?

- A. SELECT
- B. JOIN
- C. MERGE
- D. CREATE

**Answer:** D

### NEW QUESTION 130

For each of the following statements, select Yes if the statement is true. Otherwise, select No. NOTE: Each correct selection is worth one point.

Statements	Yes	No
Azure SQL Database includes a fully managed backup service.	<input type="radio"/>	<input type="radio"/>
Azure SQL Database has built-in high availability.	<input type="radio"/>	<input type="radio"/>
Azure SQL Database can use Azure Advanced Threat Protection (ATP).	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

Statements	Yes	No
Azure SQL Database includes a fully managed backup service.	<input checked="" type="radio"/>	<input type="radio"/>
Azure SQL Database has built-in high availability.	<input checked="" type="radio"/>	<input type="radio"/>
Azure SQL Database can use Azure Advanced Threat Protection (ATP).	<input checked="" type="radio"/>	<input type="radio"/>

### NEW QUESTION 134

To complete the sentence, select the appropriate option in the answer area.

Batch workloads

process data in memory, row-by-row.

collect and process data at most once a day.

process data as new data is received in near real-time.

collect data and then process the data when a condition is met.



- A. Mastered  
 B. Not Mastered

**Answer:** A

**Explanation:**

Batch workloads	
	process data in memory, row-by-row.
	collect and process data at most once a day.
	process data as new data is received in near real-time.
	collect data and then process the data when a condition is met.

#### NEW QUESTION 138

For each of the following statements, select Yes if the statement is true. Otherwise, select No.  
 NOTE: Each correct selection is worth one point.

Statements	Yes	No
Azure Databricks is an Apache Spark-based collaborative analytics platform.	<input type="radio"/>	<input type="radio"/>
Azure Analysis Services is used for transactional workloads.	<input type="radio"/>	<input type="radio"/>
Azure Data Factory orchestrates data integration workflows.	<input type="radio"/>	<input type="radio"/>

- A. Mastered  
 B. Not Mastered

**Answer:** A

**Explanation:**

Statements	Yes	No
Azure Databricks is an Apache Spark-based collaborative analytics platform.	<input checked="" type="radio"/>	<input type="radio"/>
Azure Analysis Services is used for transactional workloads.	<input type="radio"/>	<input checked="" type="radio"/>
Azure Data Factory orchestrates data integration workflows.	<input checked="" type="radio"/>	<input type="radio"/>

#### NEW QUESTION 141

For each of the following statements, select Yes if the statement is true. Otherwise, select No. NOTE: Each correct selection is worth one point.

Statements	Yes	No
If you have a platform as a service (PaaS) database in Azure, you are responsible for applying operating system updates.	<input type="radio"/>	<input type="radio"/>
If you have a platform as a service (PaaS) database in Azure, backups are performed automatically.	<input type="radio"/>	<input type="radio"/>
If you have a platform as a service (PaaS) database in Azure, you are responsible for upgrading the database engine.	<input type="radio"/>	<input type="radio"/>

- A. Mastered  
 B. Not Mastered

**Answer:** A

**Explanation:**

Box 1: No  
 Microsoft handles all patching and updating of the SQL and operating system code. You don't have to manage the underlying infrastructure.  
 Box 2: Yes  
 SQL Database is a fully managed service that has built-in high availability, backups, and other common maintenance operations.  
 Box 3: No

#### NEW QUESTION 145

For each of the following statements, select Yes if the statement is true. Otherwise, select No. NOTE: Each correct selection is worth one point.

Statements	Yes	No
You must apply patches to Azure SQL databases regularly.	<input type="radio"/>	<input type="radio"/>
You need a Microsoft 365 subscription to create an Azure SQL database.	<input type="radio"/>	<input type="radio"/>
You can use existing Microsoft SQL Server licenses to reduce the cost of Azure SQL databases.	<input type="radio"/>	<input type="radio"/>

- A. Mastered  
 B. Not Mastered

Answer: A

Explanation:

Statements	Yes	No
You must apply patches to Azure SQL databases regularly.	<input type="radio"/>	<input checked="" type="radio"/>
You need a Microsoft 365 subscription to create an Azure SQL database.	<input type="radio"/>	<input checked="" type="radio"/>
You can use existing Microsoft SQL Server licenses to reduce the cost of Azure SQL databases.	<input checked="" type="radio"/>	<input type="radio"/>

#### NEW QUESTION 148

For each of the following statements, select Yes if the statement is true. Otherwise, select No. NOTE: Each correct selection is worth one point.

Statements	Yes	No
A Microsoft Power BI dashboard is associated with a single workspace.	<input type="radio"/>	<input type="radio"/>
A Microsoft Power BI dashboard can only display visualizations from a single dataset.	<input type="radio"/>	<input type="radio"/>
A Microsoft Power BI dashboard can display visualizations from a Microsoft Excel workbook.	<input type="radio"/>	<input type="radio"/>

- A. Mastered  
 B. Not Mastered

Answer: A

Explanation:

Statements	Yes	No
A Microsoft Power BI dashboard is associated with a single workspace.	<input type="radio"/>	<input checked="" type="radio"/>
A Microsoft Power BI dashboard can only display visualizations from a single dataset.	<input type="radio"/>	<input checked="" type="radio"/>
A Microsoft Power BI dashboard can display visualizations from a Microsoft Excel workbook.	<input checked="" type="radio"/>	<input type="radio"/>

#### NEW QUESTION 149

Which storage solution supports access control lists (ACLs) at the file and folder level?



- A. Azure Data Lake Storage
- B. Azure Cosmos DB
- C. Azure Queue storage
- D. Azure Blob storage

**Answer:** A

**Explanation:**

Azure Data Lake Storage Gen2 implements an access control model that supports both Azure role-based access control (Azure RBAC) and POSIX-like access control lists (ACLs).

**NEW QUESTION 154**

To complete the sentence, select the appropriate option in the answer area.

An extract, load, and transform (ELT) process requires

- |   |
|---|
| <input type="checkbox"/> a separate transformation engine.  |
| <input type="checkbox"/> a target data store powerful enough to transform data.                     |
| <input type="checkbox"/> data that is fully processed before being loaded to the target data store. |
| <input type="checkbox"/> a data pipeline that includes a transformation engine.                     |

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Text Description automatically generated with medium confidence

With ELT, the data store used to perform the transformation is the same data store where the data is ultimately consumed.

**NEW QUESTION 156**

You need to query a table named Products in an Azure SQL database.

Which three requirements must be met to query the table from the internet? Each correct answer presents part of the solution. (Choose three.)

NOTE: Each correct selection is worth one point.

- A. You must be assigned the Reader role for the resource group that contains the database.
- B. You must have SELECT access to the Products table.
- C. You must have a user in the database.
- D. You must be assigned the Contributor role for the resource group that contains the database.
- E. Your IP address must be allowed to connect to the database.

**Answer:** BCE

**Explanation:**

<https://docs.microsoft.com/en-us/sql/relational-databases/security/authentication-access/getting-started-with-data>

**NEW QUESTION 160**

You have an e-commerce application that reads and writes data to an Azure SQL database. Which type of processing does the application use?

- A. stream processing
- B. batch processing
- C. Online Analytical Processing (OLTP)
- D. Online Transaction Processing (OLTP)

**Answer:** D

**NEW QUESTION 165**

Select the answer that correctly completes the sentence.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Answer Area

In a graph database, edges specify relationships between tables.

NEW QUESTION 170

For each of the following statements. select Yes if the statement is true. Otherwise, select No. NOTE Each correct selection is worth one point.

Answer Area

Statements	Yes	No
The Azure Cosmos DB API is configured separately for each database in an Azure Cosmos DB account.	<input type="radio"/>	<input type="radio"/>
Partition keys are used in Azure Cosmos DB to optimize queries.	<input type="radio"/>	<input type="radio"/>
Items contained in the same Azure Cosmos DB logical partition can have different partition keys.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Statements	Yes	No
The Azure Cosmos DB API is configured separately for each database in an Azure Cosmos DB account.	<input checked="" type="radio"/>	<input type="radio"/>
Partition keys are used in Azure Cosmos DB to optimize queries.	<input type="radio"/>	<input checked="" type="radio"/>
Items contained in the same Azure Cosmos DB logical partition can have different partition keys.	<input type="radio"/>	<input checked="" type="radio"/>

NEW QUESTION 171

You need to create an Azure Storage account.  
Data in the account must replica outside the Azure region automatically.  
Which two types of replica can you us for the storage account? Each correct answer presents a complete solution.  
NOTE: Each correct selection is worth one pint.

- A. read-access geo-redundant storage (RA\_GRS)
- B. zone-redundant storage (ZRS)
- C. geo-redundant storage (GRS)
- D. locally-redundant storage (LRS)

Answer: AC

Explanation:

\_ Azure Storage offers two options for copying your data to a secondary region: Geo-redundant storage (GRS)  
\_ Geo-zone-redundant storage (GZRS)  
With GRS or GZRS, the data in the secondary region isn't available for read or write access unless there is a failover to the secondary region. For read access to the secondary region, configure your storage account to use read-access geo-redundant storage (RA-GRS) or read-access geo-zone-redundant storage (RA-GZRS).

NEW QUESTION 173

Which type of non-relational data store supports a flexible schema, stores data as JSON files, and stores the all the data for an entity in the same document?

- A. document
- B. columnar
- C. graph
- D. time series

Answer: A

NEW QUESTION 177

Which clause should you use in a select statement to combine rows in one table with rows in another table?

- A. JOIN
- B. VALUES
- C. set
- D. KEY

Answer: A

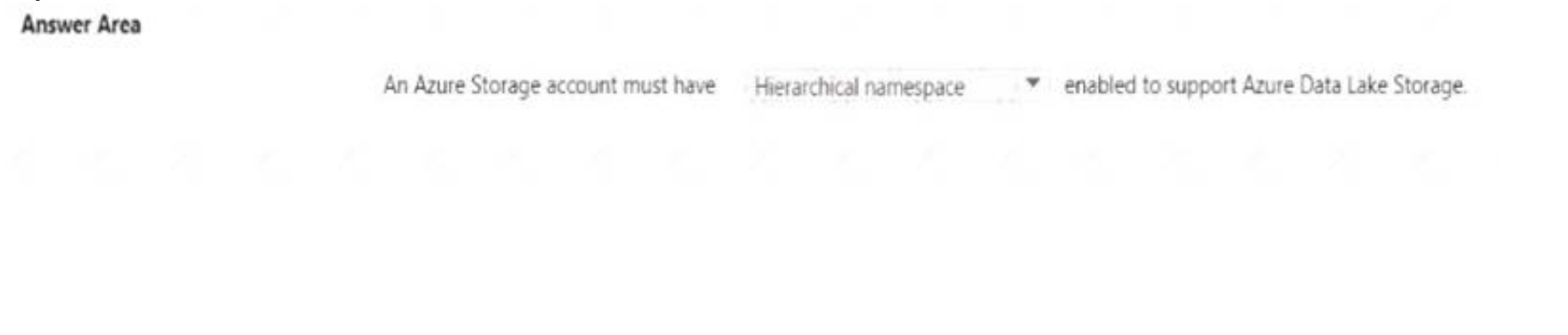
NEW QUESTION 179

Select the answer that correctly completes the sentence. See the answer below:

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 181

For each of the following statements, select Yes if the statement is true. Otherwise, select No.  
NOTE: Each correct selection is worth one point.

Statements	Yes	No
Extract, transform, and load (ETL) can reduce the transfer of sensitive data to destination systems.	<input type="radio"/>	<input type="radio"/>
Extract, load, and transform (ELT) transforms data by using a compute resource independent of the source system and destination system.	<input type="radio"/>	<input type="radio"/>
Extract, load, and transform (ELT) minimizes the time it takes to copy large volumes of data to destination systems.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

A screenshot of a computer Description automatically generated with medium confidence

NEW QUESTION 183

To complete the sentence, select the appropriate option in the answer area.

A relational database must be used when

a dynamic schema is required.  
data will be stored as key/value pairs.  
storing large images and videos.  
strong consistency guarantees are required.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

A relational database must be used when

a dynamic schema is required.

data will be stored as key/value pairs.

storing large images and videos.

strong consistency guarantees are required.

NEW QUESTION 185

Select the answer that correctly completes the sentence.

Answer Area

Microsoft SQL Server database tables store

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Microsoft SQL Server database tables store

relational data.

NEW QUESTION 186

Match the security components to the appropriate scenarios.  
To answer, drag the appropriate component from the column on the left to its scenario on the right. Each component may be used once, more than once, or not at all. NOTE: Each correct match is worth one point.

Components

Authentication

Firewall

Encryption

Answer Area

Prevent access to an Azure SQL database from another network.

Support Azure Active Directory (Azure AD) sign-ins to an Azure SQL database.

Ensure that sensitive data never appears as plain text in an Azure SQL database.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



Components	Answer Area
Authentication	Firewall Prevent access to an Azure SQL database from another network.
Firewall	Authentication Support Azure Active Directory (Azure AD) sign-ins to an Azure SQL database.
Encryption	Encryption Ensure that sensitive data never appears as plain text in an Azure SQL database.

NEW QUESTION 191

To complete the sentence, select the appropriate option in the answer area.

Answer Area

To configure an Azure Storage account to support both security at the folder level and atomic directory manipulation,

enable the hierarchical namespace.  
set Account kind to BlobStorage.  
set Performance to Premium.  
set Replication to Read-access geo-redundant storage (RA-GRS).

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

To configure an Azure Storage account to support both security at the folder level and atomic directory manipulation,

enable the hierarchical namespace.  
set Account kind to BlobStorage.  
set Performance to Premium.  
set Replication to Read-access geo-redundant storage (RA-GRS).

NEW QUESTION 192

You need to modify a view in a relational database by adding a new column. Which statement should you use?

- A. MERGE
- B. ALTER
- C. INSERT
- D. UPDATE

Answer: B

NEW QUESTION 197

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Statements	Yes	No
Platform as a service (PaaS) database offerings in Azure provide built-in high availability.	<input type="radio"/>	<input type="radio"/>
Platform as a service (PaaS) database offerings in Azure provide configurable scaling options.	<input type="radio"/>	<input type="radio"/>
Platform as a service (PaaS) database offerings in Azure reduce the administrative overhead for managing hardware.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



Statements	Yes	No
Platform as a service (PaaS) database offerings in Azure provide built-in high availability.	<input checked="" type="radio"/>	<input type="radio"/>
Platform as a service (PaaS) database offerings in Azure provide configurable scaling options.	<input checked="" type="radio"/>	<input type="radio"/>
Platform as a service (PaaS) database offerings in Azure reduce the administrative overhead for managing hardware.	<input checked="" type="radio"/>	<input type="radio"/>

**NEW QUESTION 199**

You have an inventory management database that contains the following table.

ProductName	Quantity
Product1	100
Product2	129
Product3	176

Which statement should you use in a SQL query to change the inventory quantity of Product1 to 270?

- A. INSERT
- B. MERGE
- C. UPDATE
- D. CREATE

**Answer:** C

**NEW QUESTION 203**

Select the answer that correctly completes the sentence.For each of the following statements, select Yes if the statement is true. Otherwise, select No. NOTE: Each correct selection is worth one point.

**Answer Area**

Statements	Yes	No
You must apply operating system updates to Azure SQL databases regularly.	<input type="radio"/>	<input type="radio"/>
You need a Microsoft 365 subscription to create an Azure SQL database.	<input type="radio"/>	<input type="radio"/>
You can use existing Microsoft SQL Server licenses to reduce the cost of Azure SQL databases.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

**Answer Area**

Statements	Yes	No
You must apply operating system updates to Azure SQL databases regularly.	<input type="radio"/>	<input checked="" type="radio"/>
You need a Microsoft 365 subscription to create an Azure SQL database.	<input type="radio"/>	<input checked="" type="radio"/>
You can use existing Microsoft SQL Server licenses to reduce the cost of Azure SQL databases.	<input checked="" type="radio"/>	<input type="radio"/>

**NEW QUESTION 206**

You have an Azure SQL database that you access directly from the internet. You recently changed your external IP address. After changing the IP address, you can no longer access the database. You can connect to other resources in Azure What is a possible cause of the issue?

- A. a database-level firewall
- B. role-based access control (RSAC)

- C. Dynamic Host Configuration Protocol (DHCP)
- D. Domain Name Service (DNS)

**Answer:** A

**Explanation:**

The Azure SQL Database firewall lets you decide which IP addresses may or may not have access to either your Azure SQL Server or your Azure SQL database. When creating an Azure SQL Database, the firewall needs to be configured before anyone will be able to access the database. By default, no external access to your SQL Database will be allowed until you explicitly assign permission by creating a firewall rule.

**NEW QUESTION 207**

You need to store data by using Azure Table storage. What should you create first?

- A. an Azure Cosmos DB instance
- B. a storage account
- C. a blob container
- D. a table

**Answer:** B

**Explanation:**

First create an Azure storage account, then use Table service in the Azure portal to create a table.

Note: An Azure storage account contains all of your Azure Storage data objects: blobs, files, queues, and tables.

**NEW QUESTION 210**

To complete the sentence, select the appropriate option in the answer area.

Transcribing audio files is an example of 

	▼
cognitive	
descriptive	
predictive	
prescriptive	

 analytics.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Transcribing audio files is an example of 

	▼
cognitive	
descriptive	
predictive	
prescriptive	

 analytics.

**NEW QUESTION 212**

You have data saved in the following format.

```
\
{
  "firstName": "John",
  "lastName": "Doe",
  "age": "23",
  "hobbies": [
    { "type": "Sports", "value": "Golf" },
    { "type": "Leisure", "value": "Reading" },
    { "type": "Leisure", "value": "Guitar" }
  ]
}
```

Which format was used?

- A. XML
- B. yaml
- C. JSON

D. HTML

Answer: D

NEW QUESTION 217

What is a characteristic of non-relational data?

- A. a well-defined schema
- B. no indexes
- C. self-describing entities
- D. no unique key values

Answer: D

NEW QUESTION 220

To complete the sentence, select the appropriate option in the answer area.

A heap

A stored procedure

A view

An index

is a virtual table that contains content defined by a query.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

A heap

A stored procedure

A view

An index

is a virtual table that contains content defined by a query.

NEW QUESTION 224

At which level in Azure Cosmos DB can you configure multiple write regions and read regions?

- A. database
- B. partition
- C. collection
- D. account

Answer: C

NEW QUESTION 227

To complete the sentence, select the appropriate option in the answer area.

Column family databases

Document databases

Graph databases

Key-value stores

natively support the analysis of relationships between entities.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Text Description automatically generated

### NEW QUESTION 232

Match the types of workloads to the appropriate scenarios.

To answer, drag the appropriate workload type from the column on the left to its scenario on the right. Each workload type may be used once, more than once, or not at all.

NOTE: Each correct match is worth one point.

Workload Types	Answer Area
Batch	Workload Type Analyzing web traffic from the past year
Streaming	Workload Type Classifying images that were uploaded last month
	Workload Type Tracking how many people are currently using a website

- A. Mastered
- B. Not Mastered

Answer: A

#### Explanation:

Box 1: Batch

Batch processing refers to the processing of blocks of data that have already been stored over a period of time. Box 2: Streaming

Stream processing is a big data technology that allows us to process data in real-time as they arrive and detect conditions within a small period of time from the point of receiving the data. It allows us to feed data into analytics tools as soon as they get generated and get instant analytics results. Box 3: Batch

### NEW QUESTION 234

For each of the following statements, select Yes if the statement is true. Otherwise, select No. NOTE: Each correct selection is worth one point.

Statements	Yes	No
Normalization involves eliminating relationships between database tables.	<input type="radio"/>	<input type="radio"/>
Normalizing a database reduces data redundancy.	<input type="radio"/>	<input type="radio"/>
Normalization improves data integrity.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

#### Explanation:

Statements	Yes	No
Normalization involves eliminating relationships between database tables.	<input type="radio"/>	<input checked="" type="radio"/>
Normalizing a database reduces data redundancy.	<input checked="" type="radio"/>	<input type="radio"/>
Normalization improves data integrity.	<input checked="" type="radio"/>	<input type="radio"/>

### NEW QUESTION 239

Select the answer that correctly completes the sentence.

Answer Area

A JSON document is an example of

- A. Mastered
- B. Not Mastered

Answer: A



Explanation:

Answer Area

A JSON document is an example of semi-structured data.

NEW QUESTION 241

Match the terms to the appropriate descriptions.  
To answer, drag the appropriate term from the column on the left to its description on the right. Each term may be used once, more than once, or not at all.  
NOTE: Each correct match is worth one point.

Language

JavaScript

KQL

Python

SQL

Answer Area

Azure Data Explorer

Azure Stream Analytics

Azure Synapse Analytics

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Language

JavaScript

KQL

Python

SQL

Answer Area

KQL

SQL

Python

Azure Data Explorer

Azure Stream Analytics

Azure Synapse Analytics

NEW QUESTION 243

Match the Azure services to the appropriate requirements.  
To answer, drag the appropriate service from the column on the left to its requirement on the right. Each service may be used once, more than once, or not at all.  
NOTE: Each correct match is worth one point.

Services

Azure Data Factory

Azure Data Lake Storage

Azure SQL Database

Azure Synapse Analytics

Answer Area

Service

Service

Service

Output data to Parquet format

Store data that is in Parquet format

Persist a tabular representation of data that is stored in Parquet format

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Azure Data Factory  
Box 2: Azure Data Lake Storage  
Azure Data Lake Storage (ADLA) now natively supports Parquet files. ADLA adds a public preview of the native extractor and outputter for the popular Parquet file



format  
Box 3: Azure Synapse Analytics  
Use Azure Synapse Analytics Workspaces.

#### NEW QUESTION 244

To complete the sentence, select the appropriate option in the answer area.

physically sorts the data in a table based on the values in a specified column.

A view
A clustered index
A stored procedure
A nonclustered index

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

Text Description automatically generated

#### NEW QUESTION 248

When you create an Azure SQL database, which account can always connect to the database ?

- A. the Azure Active director/ (Azure AO) account that created the database
- B. the Azure Active Directly Azure AD) administrator account
- C. the sa account
- D. the server admin login account of the logical server

**Answer:** D

#### Explanation:

When you first deploy Azure SQL, you specify an admin login and an associated password for that login. This administrative account is called Server admin.

#### NEW QUESTION 253

What are three characteristics of an Online Transaction Processing (OLTP) workload? Each correct answer presents a complete solution. (Choose three.)

NOTE: Each correct selection is worth one point.

- A. denormalized data
- B. heavy writes and moderate reads
- C. light writes and heavy reads
- D. schema on write
- E. schema on read
- F. normalized data

**Answer:** BDF

#### NEW QUESTION 255

A team of developers has computers Thai run Windows 10 and Ubuntu Desktop.

The developers need to connect to and query an Azure SQL database from the computers. The developers require code assistance features such as intellSense. What should the developers use ?

- A. Azure Data Studio
- B. sqlcmd
- C. Microsoft SQL Server Management Studio (SSMS)
- D. Azure Data Explorer

**Answer:** A

#### Explanation:

Azure Data Studio is a cross-platform database tool for data professionals who use on-premises and cloud data platforms on Windows, macOS, and Linux. Azure Data Studio offers a modern editor experience with IntelliSense, code snippets, source control integration, and an integrated terminal.

#### NEW QUESTION 257

To complete the sentence, select the appropriate option in the answer area.

By default, each Azure SQL database is protected by

▼

a network security group (NSG).
a server-level firewall.
Azure Firewall.
Azure Front Door.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

By default, each Azure SQL database is protected by

▼

a network security group (NSG).
a server-level firewall.
Azure Firewall.
Azure Front Door.

NEW QUESTION 262

Which Azure SQL offering provides near-100 percent compatibility with on-premises Microsoft SQL Server instances, while providing automated updates, backups, and maintenance tasks?

- A. Azure SQL Managed Instance
- B. SQL Server on Azure Virtual Machines
- C. Azure SQL Edge
- D. Azure SQL Database

Answer: A

NEW QUESTION 267

Select the answer that correctly completes the sentence.

In a SQL statement,

▼

FROM and WHERE
GROUP BY and ORDER BY
JOIN and MERGE
MAX and MIN

are examples of aggregate functions.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Table Description automatically generated

An aggregate function performs a calculation on a set of values, and returns a single value. The following are aggregate functions:

- > APPROX\_COUNT\_DISTINCT
- > AVG
- > CHECKSUM\_AGG
- > COUNT
- > COUNT\_BIG
- > GROUPING
- > GROUPING\_ID
- > MAX
- > MIN
- > STDEV
- > STDEVP
- > STRING\_AGG
- > SUM
- > VAR

> VARP

NEW QUESTION 272

For each of the following statements, select Yes if the statement is true. Otherwise, select No.  
NOTE: Each correct selection is worth one point.

Statements	Yes	No
Azure Databricks can consume data from Azure SQL Database	<input type="radio"/>	<input type="radio"/>
Azure Databricks can consume data from Azure Event Hubs	<input type="radio"/>	<input type="radio"/>
Azure Databricks can consume data from Azure Cosmos DB	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Yes  
Azure Databricks can consume data from SQL Databases using JDBC and from SQL Databases using the Apache Spark connector. The Apache Spark connector for Azure SQL Database and SQL Server enables these databases to act as input data sources and output data sinks for Apache Spark jobs.  
Box 2: Yes  
You can stream data into Azure Databricks using Event Hubs. Box 3: Yes  
You can run Spark jobs with data stored in Azure Cosmos DB using the Cosmos DB Spark connector. Cosmos can be used for batch and stream processing, and as a serving layer for low latency access.  
You can use the connector with Azure Databricks or Azure HDInsight, which provide managed Spark clusters on Azure.

NEW QUESTION 277

To complete the sentence select the appropriate option in the answer area.

Answer Area

Transparent Data Encryption (TDE) encrypts

a column to protect data at rest and in transit.  
queries and their results in order to protect data in transit.  
the database to protect data at rest.  
the server to protect data at rest.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Transparent Data Encryption (TDE) encrypts

a column to protect data at rest and in transit.  
queries and their results in order to protect data in transit.  
the database to protect data at rest.  
the server to protect data at rest.

NEW QUESTION 279

What is a benefit of the Azure Cosmos DB Table API as compared to Azure Table storage?

- A. supports partitioning
- B. provides resiliency if art Azure region fads
- C. provides a higher storage capacity
- D. supports a multi-master model

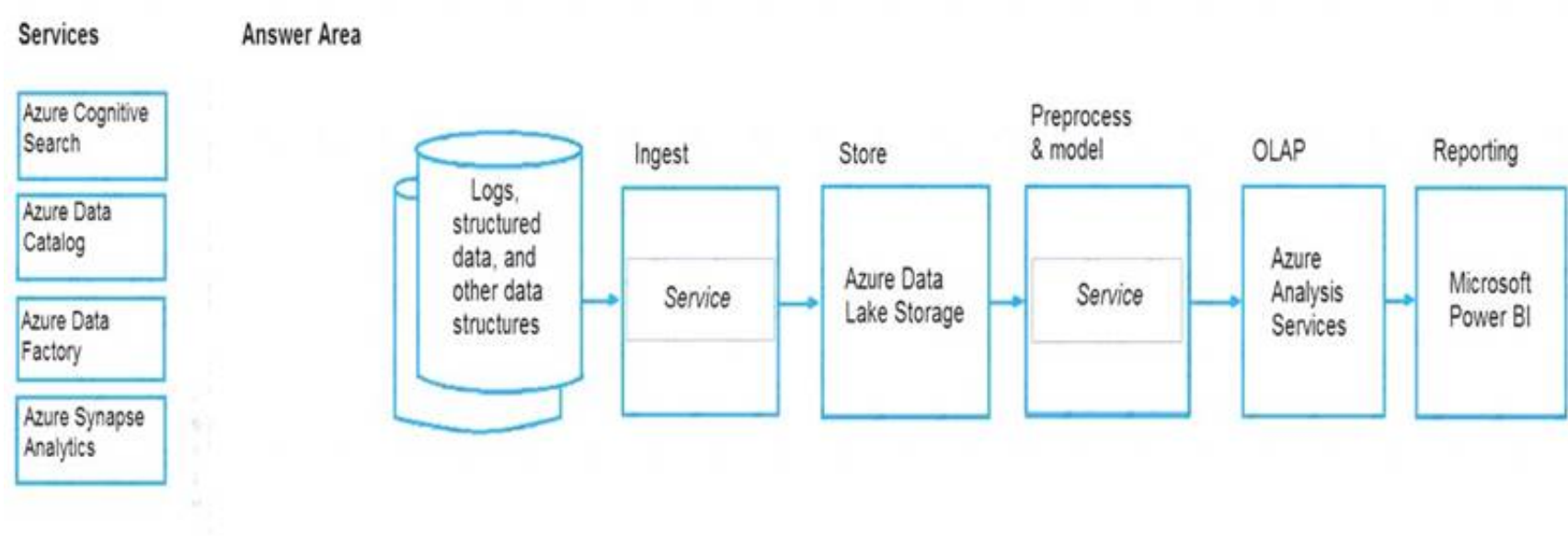
Answer: D

Explanation:

Multi-master support for Azure Cosmos DB is now available in all public regions.  
Azure CosmosDB table API is a key-value storage hosted in the cloud. It's a part of Azure Cosmos DB, that is Microsoft's multi-model database.

NEW QUESTION 281

Match the Azure services to the appropriate locations in the architecture.  
To answer, drag the appropriate service from the column on the left to its location on the right. Each service may be used once, more than once, or not at all.  
NOTE: Each correct match is worth one point.



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box Ingest: Azure Data Factory  
You can build a data ingestion pipeline with Azure Data Factory (ADF). Box Preprocess & model: Azure Synapse Analytics  
Use Azure Synapse Analytics to preprocess data and deploy machine learning models.

NEW QUESTION 284

Match the datastore services to the appropriate descriptions.  
To answer, drag the appropriate service from the column on the left to its description on the right. Each service may be used once, more than once, or not at all.  
NOTE: Each correct match is worth one point.



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Azure Cosmos DB  
In Azure Cosmos DB's SQL (Core) API, items are stored as JSON. The type system and expressions are restricted to deal only with JSON types.  
Box 2: Azure Files  
Azure Files offers native cloud file sharing services based on the SMB protocol.

NEW QUESTION 288

Select the answer that correctly completes the sentence.



**Answer Area**

▼

Azure Synapse Analytics

Azure Synapse Analytics

Azure SQL Database

Azure Database for MariaDB

SQL Server on Azure virtual machines

is a platform as a service (PaaS) relational data service that uses massively parallel processing (MPP).

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

**Answer Area**

▼

Azure Synapse Analytics

Azure Synapse Analytics

Azure SQL Database

Azure Database for MariaDB

SQL Server on Azure virtual machines

is a platform as a service (PaaS) relational data service that uses massively parallel processing (MPP).

**NEW QUESTION 289**

For each of the following statements, select Yes if the statement is true. Otherwise, select No. NOTE: Each correct selection is worth one point.

Statements	Yes	No
When ingesting data from Azure Data Lake Storage across Azure regions, you will incur costs for bandwidth.	<input type="radio"/>	<input type="radio"/>
You can use blob, table, and file storage in the same Azure Storage account.	<input type="radio"/>	<input type="radio"/>
You implement Azure Data Lake Storage by creating an Azure Storage account.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Statements	Yes	No
When ingesting data from Azure Data Lake Storage across Azure regions, you will incur costs for bandwidth.	<input checked="" type="radio"/>	<input type="radio"/>
You can use blob, table, and file storage in the same Azure Storage account.	<input checked="" type="radio"/>	<input type="radio"/>
You implement Azure Data Lake Storage by creating an Azure Storage account.	<input checked="" type="radio"/>	<input type="radio"/>

**NEW QUESTION 294**

When can you use an Azure Resource Manager template?

- A. to automate the creation of an interdependent group of Azure resources in a repeatable way
- B. to automate the creation of an interdependent and develop can deploy from the Azure portal
- C. To provision Azure subscriptions and apply policies for multi-tenant deployments

D. To set complex permissions automatically on existing objects in an Azure subscription

**Answer:** A

**Explanation:**

You can automate deployments and use the practice of infrastructure as code. In code, you define the infrastructure that needs to be deployed. To implement infrastructure as code for your Azure solutions, use Azure Resource Manager templates (ARM templates). The template is a JavaScript Object Notation (JSON) file that defines the infrastructure and configuration for your project. The template uses declarative syntax, which lets you state what you intend to deploy without having to write the sequence of programming commands to create it. In the template, you specify the resources to deploy and the properties for those resources.

**NEW QUESTION 295**

To complete the sentence, select the appropriate option in the answer area.

You can query a graph database in Azure Cosmos DB

- as a JSON document by using a SQL-like language.
- as a partitioned row store by using Cassandra Query Language (CQL).
- as a partitioned row store by using Language-Integrated Query (LINQ).
- as nodes and edges by using the Gremlin language.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

You can query a graph database in Azure Cosmos DB

- as a JSON document by using a SQL-like language.
- as a partitioned row store by using Cassandra Query Language (CQL).
- as a partitioned row store by using Language-Integrated Query (LINQ).
- as nodes and edges by using the Gremlin language.

**NEW QUESTION 297**

Select the answer that correctly completes the sentence.

**Answer Area**

An extract, transform, and load (ETL) process requires

- data that is fully processed before being loaded to the target data store.
- a matching schema in the data source and the data target.
- a target data store powerful enough to transform data.
- data that is fully processed before being loaded to the target data store.
- that the data target be a relational database.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

**Answer Area**

An extract, transform, and load (ETL) process requires

- data that is fully processed before being loaded to the target data store.
- a matching schema in the data source and the data target.
- a target data store powerful enough to transform data.
- data that is fully processed before being loaded to the target data store.
- that the data target be a relational database.

**NEW QUESTION 298**

What are two benefits of platform as a service (PaaS) relational database offerings in Azure, such as Azure SQL Database? Each correct answer presents a complete solution. NOTE: Each correct selection is worth one point.

- A. complete control over backup and restore processes
- B. access to the latest features
- C. in-database machine learning services
- D. reduced administrative effort for managing the server infrastructure

**Answer:** BC

**Explanation:**

Azure SQL Database is a fully managed platform as a service (PaaS) database engine that handles most of the database management functions such as upgrading, patching, backups, and monitoring without user involvement.

SQL Database delivers predictable performance with multiple resource types, service tiers, and compute sizes. It provides dynamic scalability with no downtime, built-in intelligent optimization, global scalability and availability, and advanced security options. These capabilities allow you to focus on rapid app development and accelerating your time-to-market, rather than on managing virtual machines and infrastructure.

**NEW QUESTION 303**

Select the answer that correctly completes the sentence.

**Answer Area**

The  clause can be used in Data Manipulation Language (DML) statements to specify the criteria that rows must match.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

**Answer Area**

The  clause can be used in Data Manipulation Language (DML) statements to specify the criteria that rows must match.

**NEW QUESTION 308**

Select the answer that correctly completes the sentence.

**Answer Area**

An Azure Storage account must have  enabled to support Azure Data Lake Storage.

- Blob soft delete
- Hierarchical namespace
- Large file shares
- Versioning

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Hierarchical namespace

<https://learn.microsoft.com/en-us/dynamics365/customer-insights/own-data-lake-storage>

**NEW QUESTION 313**

For each of the following statements, select Yes if the statement is true. Otherwise, select No. NOTE: Each correct selection is worth one point.



Answer Area

Statements	Yes	No
Azure SQL managed instance supports cross-database queries.	<input type="radio"/>	<input type="radio"/>
Azure SQL managed instance supports user-created backups.	<input type="radio"/>	<input type="radio"/>
Azure SQL managed instance databases can be restored to SQL Server on an Azure virtual machine.	<input type="radio"/>	<input type="radio"/>

- A. Mastered  
 B. Not Mastered

**Answer:** A

**Explanation:**

Answer Area

Statements	Yes	No
Azure SQL managed instance supports cross-database queries.	<input checked="" type="radio"/>	<input type="radio"/>
Azure SQL managed instance supports user-created backups.	<input type="radio"/>	<input checked="" type="radio"/>
Azure SQL managed instance databases can be restored to SQL Server on an Azure virtual machine.	<input checked="" type="radio"/>	<input type="radio"/>

#### NEW QUESTION 314

For each of the following statements, select Yes if the statement is true. Otherwise, select No. NOTE: Each correct selection is worth one point.

Statements	Yes	No
You can use Azure Data Studio to query a Microsoft SQL Server big data cluster.	<input type="radio"/>	<input type="radio"/>
You can use Microsoft SQL Server Management Studio (SSMS) to query an Azure Synapse Analytics data warehouse.	<input type="radio"/>	<input type="radio"/>
You can use MySQL Workbench to query Azure Database for MariaDB databases.	<input type="radio"/>	<input type="radio"/>

- A. Mastered  
 B. Not Mastered

**Answer:** A

**Explanation:**

Statements	Yes	No
You can use Azure Data Studio to query a Microsoft SQL Server big data cluster.	<input checked="" type="radio"/>	<input type="radio"/>
You can use Microsoft SQL Server Management Studio (SSMS) to query an Azure Synapse Analytics data warehouse.	<input checked="" type="radio"/>	<input type="radio"/>
You can use MySQL Workbench to query Azure Database for MariaDB databases.	<input checked="" type="radio"/>	<input type="radio"/>



NEW QUESTION 316

Match the types of workloads the appropriate scenario.  
To answer, drag the appropriate workload type from the column on the left to its scenario on the right. Each workload type may be used once, more than once or not at all.  
NOTE: Each correct match is worth one point.

Workload Types

Batch

Micro-batch

Streaming

Answer Area

Workload Type

Data for a product catalog will be loaded every 12 hours to a data warehouse.

Workload Type

Data for online purchases will be loaded to a data warehouse as the purchases occur.

Workload Type

Updates to inventory data will be loaded to a data warehouse every 1,000 transactions.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Workload Types

Batch

Micro-batch

Streaming

Answer Area

Batch

Data for a product catalog will be loaded every 12 hours to a data warehouse.

Streaming

Data for online purchases will be loaded to a data warehouse as the purchases occur.

Micro-batch

Updates to inventory data will be loaded to a data warehouse every 1,000 transactions.

NEW QUESTION 320

Select the answer that correctly completes the sentence.

Answer Area

A view

A heap

A stored procedure

A view

An index

presents content defined by a query.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

A view

A heap

A stored procedure

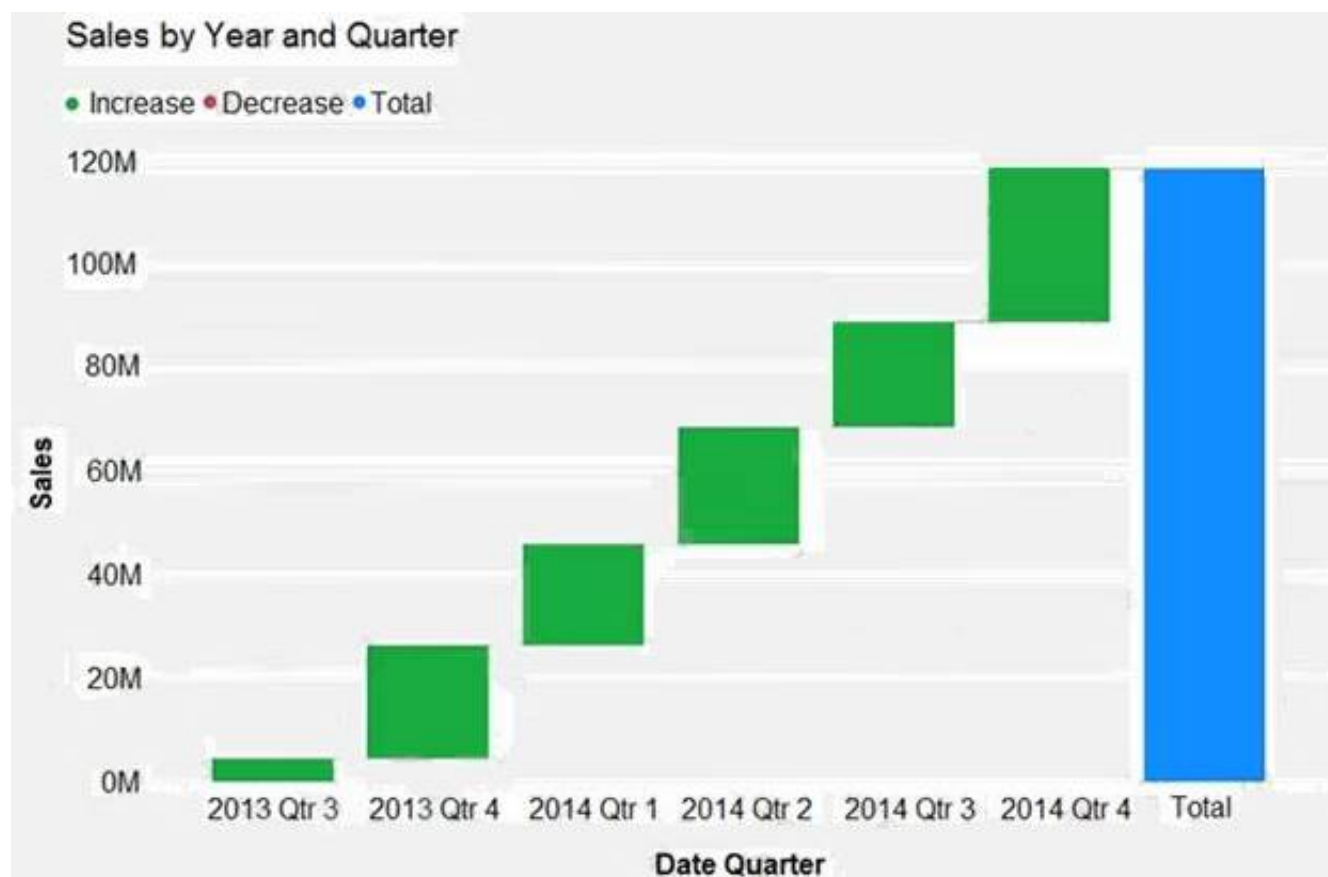
A view

An index

presents content defined by a query.

NEW QUESTION 324

You need to create a visualization of running sales totals per quarter as shown in the following exhibit.



What should you create in Power BI Desktop?

- A. a waterfall chart
- B. a ribbon chart
- C. a bar chart
- D. a decomposition tree

**Answer:** A

#### NEW QUESTION 326

Select the answer the correctly completes the sentence.

##### Answer Area

is responsible for managing the security of the data in a database.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

##### Answer Area

A database administrator is responsible for managing the security of the data in a database.

#### NEW QUESTION 329

Select the answer that correctly completes the sentence.

##### Answer Area

In a relational database, each row in a table has .

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Answer as below.

##### Answer Area

In a relational database, each row in a table has a key-value pair.

**NEW QUESTION 331**

To complete the sentence, select the appropriate option in the answer area.

In batch processing,

	▼
data is always inserted one row at a time.	
data is processed in real-time.	
latency is expected.	
processing can only execute serially.	

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

In batch processing,

	▼
data is always inserted one row at a time.	
data is processed in real-time.	
latency is expected.	
processing can only execute serially.	

**NEW QUESTION 336**

To complete the sentence, select the appropriate option in the answer area.

Answer Area

An extract, load, and transform (ELT) process requires

a data pipeline that includes a transformation engine.
a separate transformation engine.
a target data store powerful enough to transform data.
data that is fully processed before being loaded to the target data store.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Answer Area

An extract, load, and transform (ELT) process requires

a data pipeline that includes a transformation engine.
a separate transformation engine.
a target data store powerful enough to transform data.
data that is fully processed before being loaded to the target data store.

**NEW QUESTION 340**

To complete the sentence, select the appropriate option in the answer area.

Answer Area

A relational database is appropriate for scenarios that involve a high volume of

changes to relationships between entities.
geographically distributed writes.
transactional writes.
writes that have varying data structures.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Disadvantages of non-relational databases include: Data Consistency — non-relational databases do not perform ACID transactions.  
 Note: Relational databases are optimized for writes. They are optimized for consistency and availability. Advantages of relational databases include simplicity, ease of data retrieval, data integrity, and flexibility.

**NEW QUESTION 342**

Select the answer that correctly completes the sentence.

Answer Area

Relational data is stored in

- a tabular form of rows and columns.
- a file system as unstructured data.
- a hierarchal folder structure.
- a tabular form of rows and columns.
- comma-separated value (CSV) files.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Relational data is stored in

- a tabular form of rows and columns.
- a file system as unstructured data.
- a hierarchal folder structure.
- a tabular form of rows and columns.
- comma-separated value (CSV) files.

NEW QUESTION 345

Match the Azure services to appropriate requirements.  
To answer, drag the appropriate services from the column on the left to its requirement on the right. Each service may be used once, more than once, or not at all.  
NOTE: Each correct match is worth one point.

Azure Services

Azure Data Factory

Azure Data Lake Storage

Azure SQL Database

Azure Synapse Analytics

Answer Area

Azure Service	Output data to Parquet format.
Azure Service	Store data that is in Parquet format.
Azure Service	Persist a tabular representation of data that is stored in Parquet format.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Azure Services

Azure Data Factory

Azure Data Lake Storage

Azure SQL Database

Azure Synapse Analytics

Answer Area

Azure Data Factory	Output data to Parquet format.
Azure Data Lake Storage	Store data that is in Parquet format.
Azure Synapse Analytics	Persist a tabular representation of data that is stored in Parquet format.

NEW QUESTION 348

You manage an application that stores data in a shared folder on a Windows server. You need to move the shared folder to Azure Storage. Which type of Azure Storage should you use?

- A. queue
- B. blob
- C. file
- D. table

Answer: C

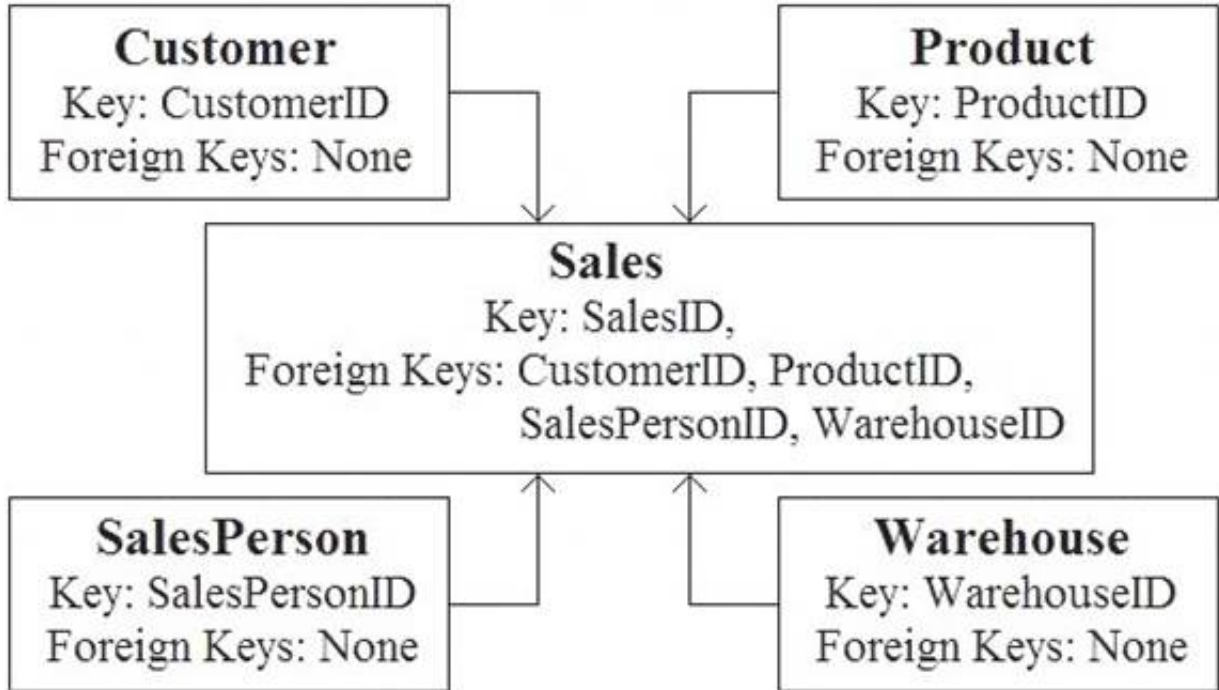
Explanation:



Azure file shares can be mounted concurrently by cloud or on-premises deployments of Windows, Linux, and macOS. Azure file shares can also be cached on Windows Servers with Azure File Sync for fast access near where the data is being used.

NEW QUESTION 349

You are reviewing the data model shown in the following exhibit.



Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the graphic.  
NOTE: Each correct selection is worth one point

The data model is a [answer choice].

transactional model

star schema

snowflake schema

Customer is a [answer choice] table.

fact

dimension

bridge

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

The data model is a [answer choice].

transactional model

star schema

snowflake schema

Customer is a [answer choice] table.

fact

dimension

bridge

NEW QUESTION 351

Match the terms to the appropriate descriptions.  
To answer, drag the appropriate term from the column on the left to its description on the right. Each term may be used once, more than once, or not at all.  
NOTE: Each correct match is worth one point.

Terms

- Index
- View
- Table

Answer Area

- 
- 
- 

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Terms

- Index
- View
- Table

Answer Area

- Table
- View
- Index

NEW QUESTION 356  
.....

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